

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

Date: 07.11.29	Job No.:	ADR Yes/No: Y	ADR Date: 07.11.29	ECN #: 1070
Product No.: D206-642		Created By: [Signature]	Approved By: [Signature]	
Product Name: SKIDTUBE INSTALLATIONS		Checked By: [Signature]	General Manager Approval:	

Distribution	Reqd	Resp	Received
Production Manager	Y	LL/JLM	[Signature]
Production Engineering Coord	Y	EC/DD	[Signature]
Director Quality Assurance	N		
Customer Order Processing	N		

Distribution	Reqd	Resp	Received
Customer Technical Support	N		
Marketing	Y	SW	SW 08.08.18.

**Reason for Change:** NEW REVISIONS ADDRESS A COMPATIBILITY ISSUE WITH SOME GND HANDLING UNITS MID FLOAT HAS BEEN MOVED 2" FWD, AND ROTATED 17° INBOARD TO PROVIDE ADEQUATE CLEARANCE. REF. NCR # 203

**Documents Affected:** DSI 9391 REV. A  
 RELEASE D3288 REV. F  
 D3683 REV. A  
 IIN-D206-642 REV. L  
 ICA-D206-642 REV. 1  
 SR-D206-642-3 REV. A

#	Engineering Actions	Reqd	Resp	Notes	Complete
1	Required Documents/Drawings Under Review	Y	DC/MB		07.12.19 [Signature]
2	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ	REMOVE UNDER REVIEW NOTE	07.12.19 [Signature]
3	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		07.12.19 [Signature]
4	Update Grey Project Binder	Y	KJ		07.12.19 [Signature]
5	Move Electronic Files	Y	KJ		07.12.19 [Signature]
6	Update Master Document List (MDL)	N		REF. ECN # 1063	
7	Update Document Record (DR)	N		REF. ECN # 1063	
8	Create/Update Change Record Form	N		COMPLETED ON 07.11.19 REF. ECN # 1063.	
9	Create/Update PPP's	N			
10	Update Controlled PDF Files	Y	KJ		07.12.19 [Signature]
11	Notify TC/FAA of Change	N			
12	Update QSI 021 and/or STC Approval List	N			
13	Update Product Development Summary	N			
14	Update Accpac Database	Y	KJ	AS REQUIRED	3 Already done
15	Update Access (ARC) Database	Y	KJ	AS REQUIRED	07.12.19 [Signature]
16	Update/Verify ARC	N			
17	Update Paperwork Kits in Production	N			
18	Update Qpulse/Laminated Dwgs	Y	KJ	D3288	07.12.20 [Signature]
19	Update Product Compatibility Matrix	N			
20	Create Eurocopter Form (FEE)	N			
21					

#	Production Actions	Reqd	Resp	Notes	Complete
22	Create/Update Coss IPP/BOM	Y	EC/DD	AS REQUIRED	09.02.05
23	Update FAI Sheets	Y	EC/DD	AS REQUIRED	09.02.05
24	Create/Update CNC Programs	N			
25	Create/Update Tooling	N			
26	Red Tag Stock (Specify)	N			
27	Rework/Scrap Current Production and/or Stock	Y	LL	SEE NOTE #1	07.12.24 [Signature]
28	Update Paperwork Kits in Stock	N			W/O 35179, 35180
29	Create/Update MPP	N			36159, 36160
30					

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
31	Notify Previous Customers	N			
32	Notify Eurocopter France	N			
33					

**Description / Action:**  
 NOTE #1: REWORK D206-642-612 B/N 35179 & B/N 35180 - SEE ENGINEERING 36160 } PER PETER HUM 07.12.20  
 Rework D206-642-611 B36159

# ENGINEERING CHANGE NOTICE

## DART AEROSPACE LTD

*MPP*

Date: 07.11.29	Job No.:	ADR Yes/No: Y	ADR Date: 07.11.29	<b>ECN #:</b> 1070
Product No.: D206-642		Created By: <i>[Signature]</i>	Approved By: <i>[Signature]</i>	
Product Name: SKIDTUBE INSTALLATIONS		Checked By: <i>[Signature]</i>	General Manager Approval:	

Distribution	Reqd	Resp	Received	Distribution	Reqd	Resp	Received
Production Manager	Y	LL/JLM		Customer Technical Support	N		
Production Engineering Coord	Y	EC/DD		Marketing	Y	SW	
Director Quality Assurance	N						
Customer Order Processing	N						

**Reason for Change:** NEW REVISIONS ADDRESS A COMPATIBILITY ISSUE WITH SOME GND HANDLING UNITS  
MID FLOAT HAS BEEN MOVED 2" FWD, AND ROTATED 17° INBOARD TO PROVIDE ADEQUATE CLEARANCE. REF. NCR # 203

**Documents Affected:**

RELEASE D3288 REV. F *DSI 9391 REV. A*

D3683 REV. A

IIN-D206-642 REV. L

ICA-D206-642 REV. 1

SR-D206-642-3 REV. A

*Refer*

#	Engineering Actions	Reqd	Resp	Notes	Complete
1	Required Documents/Drawings Under Review	Y	DC/MB		
2	Update Blue/Pink/DSI Folder and Electronic Files	Y	KJ	REMOVE UNDER REVIEW NOTE	07.12.19 <i>[Signature]</i>
3	Update D-Part/M-Drawing/DSI/DEO Master Binders	Y	KJ		07.12.19 <i>[Signature]</i>
4	Update Grey Project Binder	Y	KJ		07.12.19 <i>[Signature]</i>
5	Move Electronic Files	Y	KJ		07.12.19 <i>[Signature]</i>
6	Update Master Document List (MDL)	N		REF. ECN # 1063	
7	Update Document Record (DR)	N		REF. ECN # 1063	
8	Create/Update Change Record Form	N		COMPLETED ON 07.11.19 REF. ECN # 1063.	
9	Create/Update PPP's	N			
10	Update Controlled PDF Files	Y	KJ		07.12.19 <i>[Signature]</i>
11	Notify TC/FAA of Change	N			
12	Update QSI 021 and/or STC Approval List	N			
13	Update Product Development Summary	N			
14	Update Accpac Database	Y	KJ	AS REQUIRED	ALREADY DONE
15	Update Access (ARC) Database	Y	KJ	AS REQUIRED	07.12.19 <i>[Signature]</i>
16	Update/Verify ARC	N			
17	Update Paperwork Kits in Production	N			
18	Update Qpulse/Laminated Dwgs	N			
19	Update Product Compatability Matrix	N			
20	Create Eurocopter Form (FEE)	N			
21					

**REFERENCE ONLY**

#	Production Actions	Reqd	Resp	Notes	Complete
22	Create/Update Coss IPP/BOM	Y	EC/DD	AS REQUIRED	
23	Update FAI Sheets	Y	EC/DD	AS REQUIRED	
24	Create/Update CNC Programs	N			
25	Create/Update Tooling	N			
26	Red Tag Stock (Specify)	N			
27	Rework/Scrap Current Production and/or Stock	Y	LL	SEE NOTE #1	<i>done on original w/lo's 35179/35180 11 07.12.24</i>
28	Update Paperwork Kits in Stock	N			
29	Create/Update MPP	N			
30					

#	Quality Assurance Actions	Reqd	Resp	Notes	Complete
31	Notify Previous Customers	N			
32	Notify Eurocopter France	N			
33					

**Description / Action:**

NOTE #1: REWORK D206-642-612 B/N 35179 & B/N 35180 - SEE ENGINEERING

## **L Lacelle**

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**From:** Kim Johnston [kjohnston@dartaero.com]  
**Sent:** December 20, 2007 1:50 PM  
**To:** Linda Lacelle (E-mail)  
**Subject:** ECN1070 / 1063 for change record #003

Linda,

*611 612 611 612*

All four skidtubes need to be reworked, B35179, 35180, 36159, 36160 per ecn 1070

Kim Johnston  
Dart Aerospace Ltd.  
Engineering Clerk  
Document Control  
Email: kjohnston@dartaero.com  
Tel: 613-632-5200  
Fax: 613-632-9311

Linda, per my e-mail of rework of D206-642-641

The changes and notes are hilited.

DART AEROSPACE USA, INC.

CHG 002 TO 003

D206-642

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4.7 206A/B High Gear Float Skidtubes (TRI-BAG COMPATIBLE)

Item	Qty -611	Qty -612	Qty -613	Qty -614	Qty -641	Qty -645	Part Number	Description
	X						D206-642-611	SKIDTUBE INSTALLATION, LH
		X					D206-642-612	SKIDTUBE INSTALLATION, RH
			X				D206-642-613	SKIDTUBE INSTALLATION, LH, THRU BOLT
				X			D206-642-614	SKIDTUBE INSTALLATION, RH, THRU BOLT
	1	1	1	1	X		D206-642-641	SKIDTUBE
						X	D206-642-645	WEARSHOE KIT (REPLACES -643 KIT)
	1	1	1	1			D206-651-041	* 206 GHW ADAPTER <sup>(3)</sup>
1					1		D3288-041	SKIDTUBE ASSEMBLY
3					1		D2646	* AFT CAP <sup>(1)</sup>
4					2		AN3C4A	* BOLT <sup>(1)</sup>
5A					2		AN960C10L	* WASHER <sup>(1)</sup>
5B					2		D3672-1	* WASHER (REPLACES NAS1515H3L) <sup>(1)</sup>
6	1		1				D2665-1	SADDLE, FWD OUT, LH
6		1		1			D2665-2	SADDLE, FWD OUT, RH
7	1		1				D2666-1	SADDLE, FWD IN, LH
7		1		1			D2666-2	SADDLE, FWD IN, RH
8	1						D2665-1	SADDLE, AFT OUT, LH
8		1					D2665-2	SADDLE, AFT OUT, RH
8			1				D2667-1	SADDLE, AFT OUT, LH
8				1			D2667-2	SADDLE, AFT OUT RH
9	1						D2666-1	SADDLE, AFT IN, LH
9		1					D2666-2	SADDLE, AFT IN, RH
9			1				D2668-1	SADDLE, AFT IN, LH
9				1			D2668-2	SADDLE, AFT IN, RH
10	8	8	8	8			AN3C41A	BOLT
11	16	16	16	16			D2652	BUSHING
12A	8	8	8	8			MS21043-3	NUT
12B	16	16	16	16			D3672-5	WASHER (REPLACES NAS1515H5)
13	4	4	4	4			AN5C7A	BOLT
14	4	4	4	4			AN5C11A	BOLT
14A	4	4	4	4			AN5C32A	* BOLT <sup>(2)</sup>
14B	4	4	4	4			MS21043-5	* NUT <sup>(2)</sup>
15A	8	8	8	8			AN960C516L	WASHER
15B	8	8	8	8			D3672-7	WASHER (REPLACES NAS1515H5L)
16	12	12	12	12			AN4C6A	BOLT
17A	24	24	24	24			AN960C416L	WASHER
17B	24	24	24	24			D3672-3	WASHER (REPLACES NAS1515H4L)
18	12	12	12	12			MS21043-4	NUT
20A					7	7	D3537-1	* WEARPAD <sup>(1)</sup> (REPLACES D2648-3)
21A					1	1	D3537-3	* WEARPAD <sup>(1)</sup> (REPLACES D3429-1)
22A					1	1	D3535-15	* WEARSHOE <sup>(1)</sup> (REPLACES D2656-15)
22B					1	1	D3536-15	* GASKET <sup>(1)</sup>
23A					1	1	D3535-21	* WEARSHOE <sup>(1)</sup> (REPLACES D2656-21)
23B					1	1	D3536-21	* GASKET <sup>(1)</sup>
24A					1	1	D3535-41	* WEARSHOE <sup>(1)</sup> (REPLACES D3287-3)
24A					1	1	D3536-41	* GASKET <sup>(1)</sup>
25A					1	1	D3535-35	* WEARSHOE <sup>(1)</sup> (REPLACES D2656-35)
25B					1	1	D3536-35	* GASKET <sup>(1)</sup>
26A					64	64	AN3C4A	* BOLT <sup>(1)</sup>
26B					64	64	AN960C10L	* WASHER <sup>(1)</sup>
26C					64		ALS7-1032-130	* INSERT <sup>(1)</sup> (or AKS4-1032-130, ALS4-1032-130, AELS-1032-130)
28	2	2	2	2			AN6C44A	BOLT
29A	2	2	2	2			MS21043-6	NUT
29B	4	4	4	4			AN960C616	WASHER

continued on next page...

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Revision: L

Date: 07.10.25

ON  
D3288-041

continued from previous page...

Item	Qty -611	Qty -612	Qty -613	Qty -614	Qty -641	Qty -645	Part Number	Description
34					1		AN4C5A	BOLT
35					1		AN960C416	WASHER
36					1		D3413-1	RING
37	10	10	5	5			D2712	SET SCREW
38	2	2	2	2			D2884	SADDLE SPACER
39	2	2	2	2			D2885	SADDLE SPACER
50	6	6	6	6			AN3C36A	BOLT
51	6	6	6	6			MS21250-03004	HIGH STRENGTH STEEL BOLT
52	18	18	18	18			AN960C10L	WASHER
53	18	18	18	18			D3672-1	WASHER (REPLACES NAS1515H3L)
54	9	9	9	9			MS21043-3	NUT
55	2	2	2	2			D3396-3	SPACER
56A	1	1	1	1			AN5C35A	BOLT
56B	1	1	1	1			AN5C13A	BOLT
57	6	6	6	6			AN960JD10	WASHER
60	12	12	12	12			D3683-1	* INSERT <sup>(1)</sup>
61	12	12	12	12			AN960C10L	* WASHER <sup>(1)</sup>
62	12	12	12	12			MS27039C1-05	* SCREW <sup>(1)</sup> (or AN3C3A BOLT)

NOTES: (1) DENOTES THAT PART IS INCLUDED WITH D3288-041 ASSEMBLY ABOVE  
 (2) MAY BE REQUIRED ON -613/-614 INSTALLATIONS OR DART CROSSTUBES  
 (3) NOT INSTALLED AS PART OF SKIDTUBE. USED TO MODIFY OEM GROUND HANDLING WHEELS

ON  
 03288-041